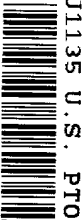


11/30/01



1135 U.S. PTO

Please type a sign (+) inside this box + PTO/SB/05 (08-00)Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	PA003P1
First Inventor	Rosen, et al.
Title	13 Human Colon and Colon Cancer Associated Proteins
Express Mail Label No.	

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents**ADDRESS TO:** Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17) (in duplicate)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 477]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets]
(Figures 1A-1C, and 2)
5. ☒ Unexecuted Declaration [Total Pages 2]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76. (2 pages)

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☒ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ paper (23 pages)
 - c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet and document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/ Form PTO/SB/08
☐ Copies of Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
15. ☐ Certified copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ See Application Data Sheet for priority information ☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No:
Prior application information: Examiner Group/Art Unit.

For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference

18. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label 22195 or ☐ Correspondence address below

NAME				
ADDRESS				
CITY	STATE	ZIP CODE		
COUNTRY	TELEPHONE	FAX		
NAME (Print/Type)	Michele M. Wales	Registration No (Attorney/Agent)	43,975	
SIGNATURE	<u>Michele M. Wales</u>			Date <u>11/30/01</u>

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.
SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

11/30/01

J1135 U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 10/31/2002 OMB 0651-0032
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL
for FY 2002**

(Substitute form)

Patent fees are subject to annual revision.

Complete if Known Application Number: Unassigned Filing Date: Herewith First Named Inventor: Rosen, et al. Examiner Name: Unassigned Group Art Unit: Unassigned		Total amount of payment	\$ 896.00	
		Attorney Docket Number		PA003P1

METHOD OF PAYMENT						FEE CALCULATION (continued)																																																																																																																																																																																																											
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to Deposit Account Number 08-3425 Deposit Account Name Human Genome Sciences, Inc. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27						3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>195</td><td>300</td><td>195</td><td>300</td><td>Publication fee for early, voluntary, or normal publication</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>098</td><td>130</td><td>098</td><td>130</td><td>Processing fee, except in provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee for provisional applications</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>145</td><td>100</td><td>145</td><td>100</td><td>Certificate of correction</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>Request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>099</td><td>8,800</td><td>099</td><td>8,800</td><td>Request for <i>inter partes</i> reexamination</td><td></td></tr> <tr><td>148</td><td>110</td><td>248</td><td>55</td><td>Statutory disclaimer</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>091</td><td>1,280</td><td>091</td><td>1,280</td><td>Acceptance of an unintentionally delayed claim for priority</td><td></td></tr> <tr><td>561</td><td>3</td><td>561</td><td>3</td><td>Printed copy of patent, regular service</td><td></td></tr> <tr><td>581</td><td>40</td><td>481</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td colspan="5">Other fee (specify):</td><td></td></tr> <tr><td colspan="5">Other fee (specify):</td><td></td></tr> <tr><td colspan="5">Other fee (specify):</td><td></td></tr> </tbody> </table>						Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		142	1,280	242	640	Utility issue fee (or reissue)		195	300	195	300	Publication fee for early, voluntary, or normal publication		179	740	279	370	Request for Continued Examination (RCE)		098	130	098	130	Processing fee, except in provisional applications		126	180	126	180	Submission of Information Disclosure Statement		123	50	123	50	Processing fee for provisional applications		146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))		149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))		145	100	145	100	Certificate of correction		147	2,520	147	2,520	Request for <i>ex parte</i> reexamination		099	8,800	099	8,800	Request for <i>inter partes</i> reexamination		148	110	248	55	Statutory disclaimer		115	110	215	55	Extension for reply within first month		116	400	216	200	Extension for reply within second month		117	920	217	460	Extension for reply within third month		118	1,440	218	720	Extension for reply within fourth month		128	1,960	228	980	Extension for reply within fifth month		119	320	219	160	Notice of appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		122	130	122	130	Petitions to the Commissioner		140	110	240	55	Petition to revive unavoidably abandoned application		141	1,280	241	640	Petition to revive unintentionally abandoned application		091	1,280	091	1,280	Acceptance of an unintentionally delayed claim for priority		561	3	561	3	Printed copy of patent, regular service		581	40	481	40	Recording each patent assignment per property (times number of properties)		Other fee (specify):						Other fee (specify):						Other fee (specify):					
Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																												
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																																													
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																													
139	130	139	130	Non-English specification																																																																																																																																																																																																													
142	1,280	242	640	Utility issue fee (or reissue)																																																																																																																																																																																																													
195	300	195	300	Publication fee for early, voluntary, or normal publication																																																																																																																																																																																																													
179	740	279	370	Request for Continued Examination (RCE)																																																																																																																																																																																																													
098	130	098	130	Processing fee, except in provisional applications																																																																																																																																																																																																													
126	180	126	180	Submission of Information Disclosure Statement																																																																																																																																																																																																													
123	50	123	50	Processing fee for provisional applications																																																																																																																																																																																																													
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																													
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																													
145	100	145	100	Certificate of correction																																																																																																																																																																																																													
147	2,520	147	2,520	Request for <i>ex parte</i> reexamination																																																																																																																																																																																																													
099	8,800	099	8,800	Request for <i>inter partes</i> reexamination																																																																																																																																																																																																													
148	110	248	55	Statutory disclaimer																																																																																																																																																																																																													
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																													
116	400	216	200	Extension for reply within second month																																																																																																																																																																																																													
117	920	217	460	Extension for reply within third month																																																																																																																																																																																																													
118	1,440	218	720	Extension for reply within fourth month																																																																																																																																																																																																													
128	1,960	228	980	Extension for reply within fifth month																																																																																																																																																																																																													
119	320	219	160	Notice of appeal																																																																																																																																																																																																													
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																																																																													
121	280	221	140	Request for oral hearing																																																																																																																																																																																																													
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																													
140	110	240	55	Petition to revive unavoidably abandoned application																																																																																																																																																																																																													
141	1,280	241	640	Petition to revive unintentionally abandoned application																																																																																																																																																																																																													
091	1,280	091	1,280	Acceptance of an unintentionally delayed claim for priority																																																																																																																																																																																																													
561	3	561	3	Printed copy of patent, regular service																																																																																																																																																																																																													
581	40	481	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																													
Other fee (specify):																																																																																																																																																																																																																	
Other fee (specify):																																																																																																																																																																																																																	
Other fee (specify):																																																																																																																																																																																																																	
2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td>740.00</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5">SUBTOTAL (1)</td> <td>\$740.00</td> </tr> </tbody> </table>						Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee	740.00	106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		SUBTOTAL (1)					\$740.00	<table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>108</td><td>84</td><td>209</td><td>42</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="5">SUBTOTAL (2)</td> <td>\$ 156.00</td> </tr> </tbody> </table>						Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	84	202	42	Independent claims in excess of 3		104	280	204	140	Multiple dependent claim, if not paid		108	84	209	42	Reissue independent claims over original patent		110	18	210	9	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					\$ 156.00																																																																																																																		
Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																												
101	740	201	370	Utility filing fee	740.00																																																																																																																																																																																																												
106	330	206	165	Design filing fee																																																																																																																																																																																																													
107	510	207	255	Plant filing fee																																																																																																																																																																																																													
108	740	208	370	Reissue filing fee																																																																																																																																																																																																													
114	160	214	80	Provisional filing fee																																																																																																																																																																																																													
SUBTOTAL (1)					\$740.00																																																																																																																																																																																																												
Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																												
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																													
102	84	202	42	Independent claims in excess of 3																																																																																																																																																																																																													
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																																																																													
108	84	209	42	Reissue independent claims over original patent																																																																																																																																																																																																													
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																													
SUBTOTAL (2)					\$ 156.00																																																																																																																																																																																																												
* or number previously paid, if greater; For Reissues, see above						Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$0.00																																																																																																																																																																																																											

Submitted By		Complete (if applicable)	
Name (Print/Type)	Michele M. Wales	Registration No.:	43,975
Signature	<i>Michele M. Wales</i>	Telephone	301-610-5772
		Date:	11/30/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Rosen, et al.**

Application Serial No.: Not assigned

Art Unit: Not assigned

Filed: Concurrently herewith

Examiner: Not assigned

For: **13 Human Colon and Colon Cancer
Associated Proteins**

Attorney Docket No.: **PA003P1**



STATEMENT UNDER 37 C.F.R. 1.821(f)

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby state that the information contained in the hard copy of the sequence listing being filed concurrently herewith is identical to the information contained in the enclosed computer-readable form of such sequence listing.

Respectfully submitted,

Date:

November 30, 2001

Michele M. Wales
Attorney for Applicants

(Reg. No. 43,975)

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, Maryland 20850
Telephone: (301) 610-5772

MMW/KC/lcc